

Pulsed Research Reactor of the Joint
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NRJ 1981-77-00

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Agency: Air Force *R-15513-D (SA)*
P.O. #: ARL 72-0001 72-07 *15 Dec 1972*

Title: Chelates of some beta-diketones...

Author: Zaitseva, N.G. & Islamova, M.I.

Source: Jt. Inst. for Nuclear Res., Dubna
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Language: Russian to English

Begolyubov, N. N., Zubarev, D. N., and
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ON THE THEORY OF PHASE TRANSITIONS (K
Teoriya Fazovogo Perekhoda) tr. by Lydia Venters.
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Order from L.C. or SLA ml\$2.40, ps\$3.00 AEC-tr-4205

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A model is discussed that allows one to obtain asymptotically accurate expressions for thermodynamic functions, which correctly reflect the thermodynamic properties of the superconductors.

151810

(Physics--Thermodynamics, TT, v. 5, no. 8)

61-15319

1. Phase transitions--
Mathematical analysis
2. Superconductivity--Theory
3. Superconductors--Thermodynamic properties
- I. Begolyubov, N. N.
- II. Zubarev, D. N.
- III. Tserkovnikov, Yu. A.
- IV. AEC-tr-4205
- V. Argonne National Lab., Lemont, Ill.
- VI. JINR P-110

Office of Technical Services

62-23234

Akimov, Yu. K., Savchenko, O. V., and Soroko, I. M.
 SEARCH FOR ANOMALIES IN THE ENERGY DEPEND-
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 $p + p \rightarrow d + \pi^+$ IN THE THRESHOLD REGION OF PAIR
 FORMATION OF π -MESONS, tr. by S. Shewchuck.
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 Order from OTS or SLA \$1.10 UCRL Trans-702

Trans. of Joint Inst[itu]te for Nucl[ear] Res[earch]
 (USSR) [Rept.] P-710, n.d.

DESCRIPTORS: *Nuclear reactions, Energy, Particles,
 *Protons, *Deuterons, *Pions, Mesons.

An attempt is made to observe non-monotonies in the
 energy dependence of the differential cross section of
 reaction $p + p \rightarrow d + \pi^+$ in the neighborhood of thresholds
 of pair formation of π -mesons. The results of the
 measurements performed do not give a specific answer
 (Nuclear Physics: Nuclear Reactions, TT, v. 9, no. 3)
 (over)

I. Akimov, Yu. K.
 II. Savchenko, O. V.
 III. Soroko, I. M.
 IV. UCRL Trans-702
 V. Lawrence Radiation Lab.,
 U. of California,
 Berkeley
 VI. JINR P-710

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